

Oil Field Environmental Incident Summary

Incident: 20140108090620

Date/Time of Notice: 01/08/2014 07:59

Responsible Party: Denbury Onshore

Well Operator: DENBURY ONSHORE, LLC

Well Name: CHSU BW 43-22SH 16

Field Name: CEDAR HILLS

Well File #: 15356

Date Incident: 1/7/2014

Time Incident: 12:30

Facility ID Number:

County: BOWMAN

Twp: 131

Rng: 106

Sec: 22

Qtr: NE SE

Location Description: Injection line leaked 775 ft NE of location.

Submitted By: Josh Cuppy

Received By:

Contact Person:

5320 LEGACY DR

PLANO, TX 75024-3127

General Land Use: Pasture

Affected Medium: Surface Water

Distance Nearest Occupied Building:

2 Miles

Distance Nearest Water Well:

2 Miles

Type of Incident: Pipeline Leak

Release Contained in Dike: No

Reported to NRC: No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	0	barrels	0	barrels		
Brine	0	barrels	0	barrels	0	barrels
Other	50	barrels	0	barrels		

Description of Other Released Contaminant:

Sourcewater from LodgePole formation

Inspected:

Written Report Received: 2/17/2016

Clean Up Concluded: 10/8/2014

Risk Evaluation:

none

Areal Extent:

Potential Environmental Impacts:

Source water surfaced 50ft from drainage bank and migrated a small distance into a flowing drainage. Source water was dispersed in flowing water. No sheen or degradation of ground water.

Action Taken or Planned:

Loss of source water was minimized by shutting in sourcewater plant. No action can be taken as source water has mixed with flowing water and been dispersed. Plan of action would have been to flush with fresh water and recover. Recovery is not possible.

Wastes Disposal Location:

Agencies Involved: ND BLM

Updates

Date: 1/8/2014 **Status:** Reviewed - Follow-up Required

Author: Roberts, Kris

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Release due to pipeline leak, off location, impacted waters of the state. Followup and complete documentation are required.

Date: 1/9/2014 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived at the site at 11:40 a.m.; the temperature was 32°F, with a wind from the southeast at 10-15 miles per hour. I found the injection well site at 11:40 a.m. I could see tracks from an ATV on the north side of creek. I called a company representative, and he indicated the pipe break occurred northeast of injection well. I went back west of the injection well to the area where the creek crosses under the lease road and followed the creek until I found the pipe break. The break occurred on the south side of the creek bank approximately an eighth of a mile to the northeast. The pipeline right-of-way is visible from the injection well pad. The pipeline washed out a deep hole in the creek bank, carrying some soil into the creek. The creek is flowing at this point; the lost water went directly into the creek. The flow of the creek is significant for this time of year. The creek is mostly covered by snow, and there are a couple of points where the water is open. This creek is fairly narrow near the lease road and widens as it flows toward the Little Missouri. The creek is dammed up further east of this area, and the overflow is directed into a hay field that has been set up for flood irrigation.

While at the site, another company employee showed up at the well site. He indicated that an excavator was lined up and is working on getting a welder.

The employee is hoping to start tomorrow on the pipeline repair. When the hole is dug, the topsoil will be hauled. The department will be kept informed of the repair progress.

I took two water samples from the creek; the first was just east of the lease road crossing. The upstream sample was taken from the east side of lease road, and the second sample was taken from the east side of dam. This area drains into a constructed ditch that directs water into a hay field to the north. The dam is about a mile from the injection well Denbury, CHSU 31-23 SH Steig. More followup is needed in the near future to check on repair progress.

Date: 10/29/2014 **Status:** Inspection

Author: Espe, Brady

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

I arrived at the site at 4:00 p.m. The weather was 62°F and cloudy, with the wind 20 mph from the west. The area has been cleaned up and regraded. Vegetation is growing in the reclaimed area. No further followup needed at this time.

Date: 9/2/2015 **Status:** Inspection

Author: O'Gorman, Brian

Updated Oil Volume:

Updated Salt Water Volume:

Updated Other Volume:

Updated Other Contaminant

Notes:

Scanned lab analytical results into pdf and inserted into folder. Sample was collected by Adam Miller on 1/13/14. Report did not identify location. Dissolved solids, total hardness, sodium of 627 milligrams per liter (mg/L) and chlorides of 677 mg/L were evaluated as "very high" in the report.